

# SAHIL CHOUKSEY

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JABALPUR, IN

## EXPERIENCE

**Full Stack Developer (Promoted)** | *SV (Suryavanshi Ventures)* *July 2023 - Present*  
*Led backend for **BRIO AI** and enterprise apps* *Jabalpur, India*

- **BRIO Health AI:** Built agentic search engine (autonomous system with multi-step reasoning) using **LangGraph**, **Vertex AI RAG**, **Gemini-2.5-Flash**
- Reduced PDF processing time by **60-65%** (10min to 3.5min for 100-page medical documents) with custom OCR and intelligent chunk processing (semantic document segmentation to preserve medical context)
- Built backend systems for Research Studio, Paper Vault, AI Notebook, AI Transcribe with RAG capabilities, accelerating literature review by 40% and improving document retrieval efficiency by 35%
- Implemented **Mem0.ai** memory system, achieving **2X better response quality** (50% reduction in hallucination rates, 30% increase in user satisfaction) through persistent context and conversation state management
- **Serma Event Management:** Led Finance system with **Stripe webhooks**, automated invoice generation
- **Zuno Training:** Built canvas-based course creation with **D3.js**, unified multimedia interface
- **Whisp Landing Page:** Optimized UI with **Tailwind CSS**, improved load time by **50%** (4s to 2s, measured via Lighthouse)

**Software Developer (Promoted)** | *TVM Consulting Private Limited* *Aug 2022 - July 2023*  
*Engineered healthcare platforms and analytics systems* *India*

- **Doct App:** Built healthcare platform with **Golang/GIN**, **Next.js 13**, **PostgreSQL**, achieving **4X faster APIs** (200ms to 50ms response time, outperforming industry benchmarks of 150ms)
- Implemented role-based access control, encrypted database entries for **HIPAA compliance**, reducing data breach risks by 70%
- Developed patient document management with S3 integration, enabling progress monitoring with 20% greater precision in recovery tracking
- **Salesman Analytics:** Created admin dashboard with **Vite + React.js**, automated MARG ERP extraction
- Improved salesman experience by **50%** eliminating paper-based orders, real-time price transparency
- **Pose Detection:** Developed CNN and MediaPipe solution for posture analysis with custom datasets (5,000+ annotated images across diverse demographics and posture types)

## SKILLS

**Languages & Frameworks:** JavaScript (ES6+)/TypeScript | Python | Go | Next.js | React.js | Node.js | LangChain/LangGraph

**AI/ML & Cloud:** Vertex AI | RAG Architecture | LLM Integration | Google Cloud | S3/GCS | Gemini APIs

**Databases & DevOps:** PostgreSQL | MongoDB | Redis | Docker | Git/GitLab CI/CD | Linux

**Technical Skills:** Full-Stack Development (scalable microservices) | API Design (RESTful, performance optimization) | Payment Integration | Healthcare Compliance (HIPAA)

## EDUCATION

**Rajiv Gandhi Proudlyogiki Vishwavidyalaya (RGPV)** | *GPA: 7.8/10* *July 2024 - Aug 2026 (Part-Time)*  
**Master of Computer Applications** | *Computer Science and Engineering* *Bhopal, India*

## CERTIFICATIONS

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- **React Native - The Practical Guide** - Udemy
- **NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)** - Udemy